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TC 1700

PATENT

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Marcia Wallentals

Name

Signature

6/9/03

Date of Signature

Handwritten notes:
#6/10
6-2-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Macris
Serial No : 09/927,276
Filed : August 10, 2001
For : HEAT DISSIPATING IC DEVICES (CIP)

AMENDMENT

Dear Sir:

Please amend the above-identified application as follows:

In the Claims:

Claim 1 (allowed) A heat dissipating IC device comprising:
at least one IC die comprising a semiconductor substrate including at least one circuitry layer with a hot region on at least one substrate face, a backside and a perimeter;
a doped region diffused within the semiconductor substrate backside thereby creating a depletion layer between the substrate and doped region; and
a voltage connected to the doped region, whereby the charge carrier flow, through the doped region of the substrate, travels in a direction from the hot region on the semiconductor substrate face outward toward the perimeter of the substrate face.

Claim 2 (allowed) The device in claim 1 wherein an electric via connects a portion of the circuitry layer with the doped region within the semiconductor substrate in order to provide electrical power.



1745

AMENDMENT TRANSMITTAL LETTER

In re Application of: Chris Macris
Serial No : 09/927,276
Filed : August 10, 2001
For: HEAT DISSIPATING IC DEVICES (CIP)

Art Unit: 1745

Examiner: Thomas H. Parsons

Date : June 9, 2003

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MAIL STOP NON-FEE AMENDMENT
COMMISSIONER OF PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

[x] No additional fee is required.

[] Fee calculation:

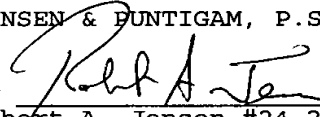
CLAIMS AS AMENDED

| (1) | (2) CLAIMS REMAINING AFTER AMENDMENT | (3) | (4) HIGHEST NUMBER PREVIOUSLY PAID FOR | (5) NO. OF EXTRA CLAIMS PRESENT | (6) RAT E | (7) ADDITIONAL FEE |
|--------------|--|-------|---|---------------------------------------|-----------------|--------------------------|
| TOTAL CLAIMS | 36 | MINUS | 52 | -0- | | -0- |
| INDEP CLAIMS | 6 | MINUS | 7 | -0- | X | -0- |

Please charge any additional fees or credit overpayment to Deposit Account No. 07-1900.

Respectfully submitted,

JENSEN & PUNTIGAM, P.S.

By 
Robert A. Jensen #24,268
Attorney for Applicant

RAJ:mw

(206) 448-3200